910 801 901 810 902 802 804 903 811 904 805 806
800

900 905 812 911 912 803 813 906 913 914

Fig. 1: Initial path bundles

910 801 901 810 902 802 804 903 811 904 805 806
800

900 905 812 711 912 803 813 906 913 914
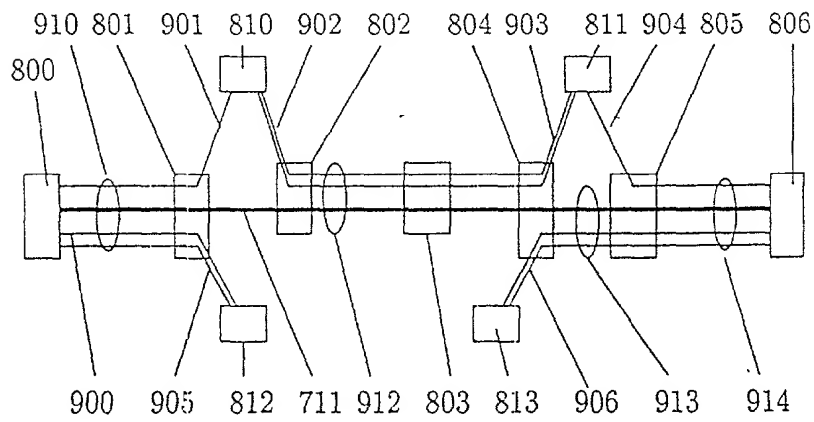
Fig. 2: After the longest bundle aggregation

910 801 901 810 902 802 804 703 811 904 805 806
800

900 905 812 711 912 803 813 906 913 914
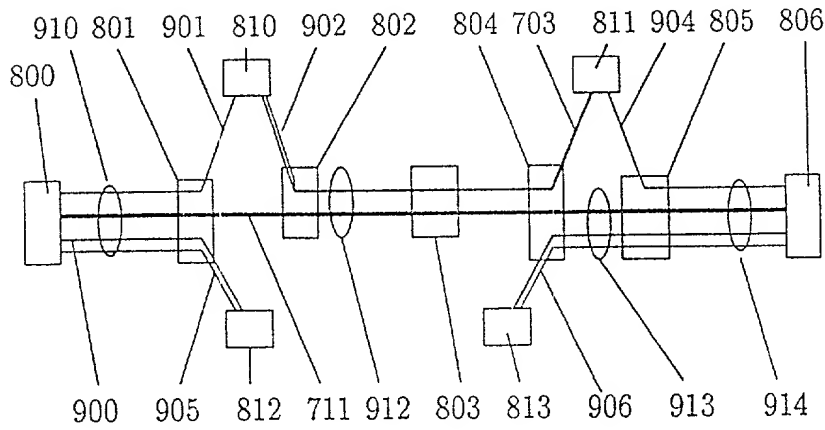
Fig. 3: After a trailing bundle aggregation

910 801 901 810 702 802 804 703 811 904 805 806
800

900 905 812 711 912 803 813 906 913 914
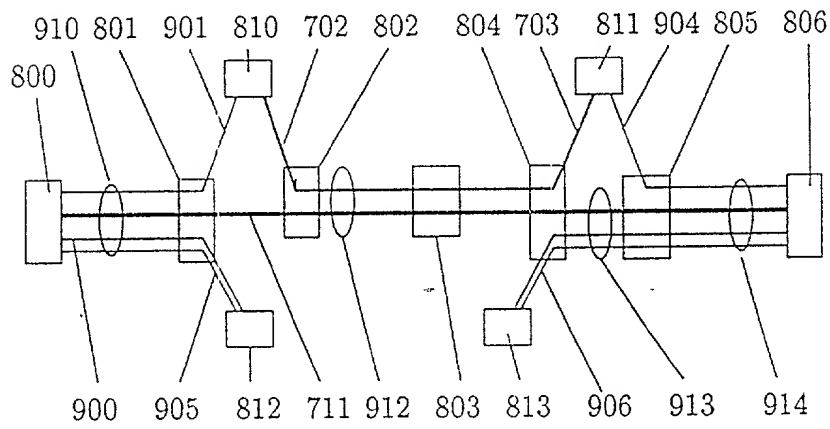
Fig. 4: After a tunnel concatenation

910 801 901 810 702 802 804 703 811 904 805 806
800

900 705 812 711 712 803 813 906 713 914
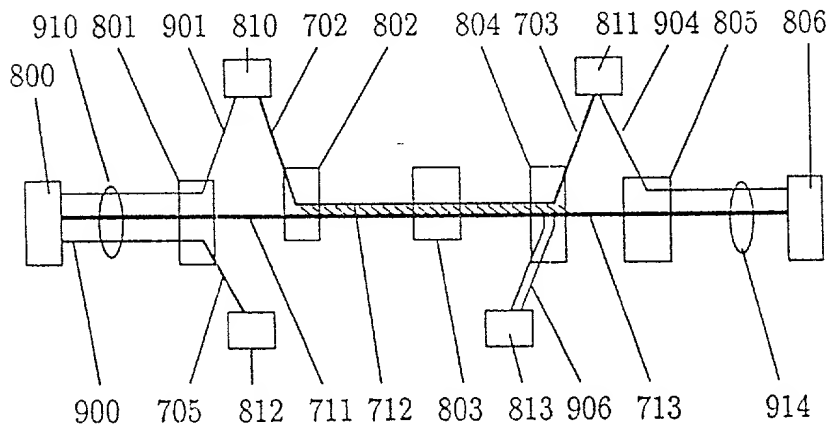
Fig. 5: After super-tunnel aggregation

910 801 901 810 702 802 804 703 811 904 805 806

800

900 705 812 711 712 803 813 706 713 714
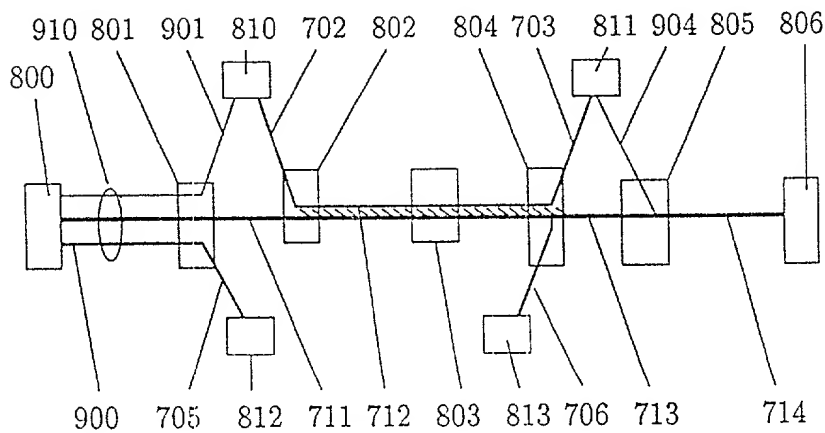
Fig. 6: After all possible aggregations

613 604 605 606

association *association*

906

604:44		605:45		606:46		607:49
614:51		613:53		604:54		605:55
604:84		605:85		604:84		607:89
614:91		613:93		604:94		605:95
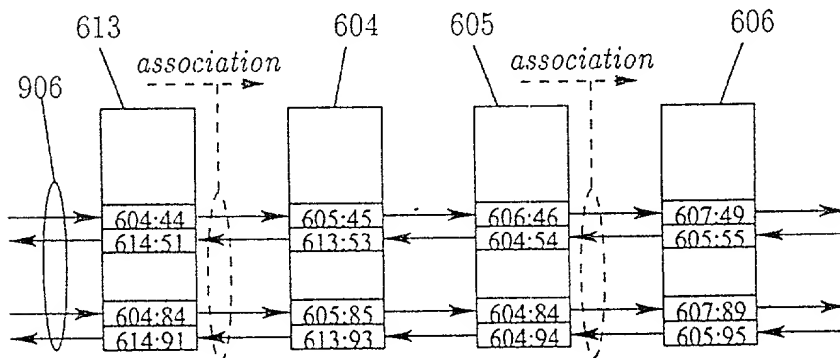
Fig. 7: Association signalling

613 604 605 606

aggregation

906

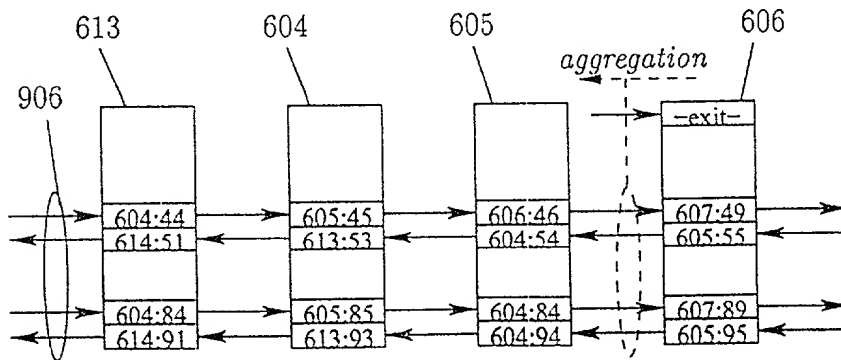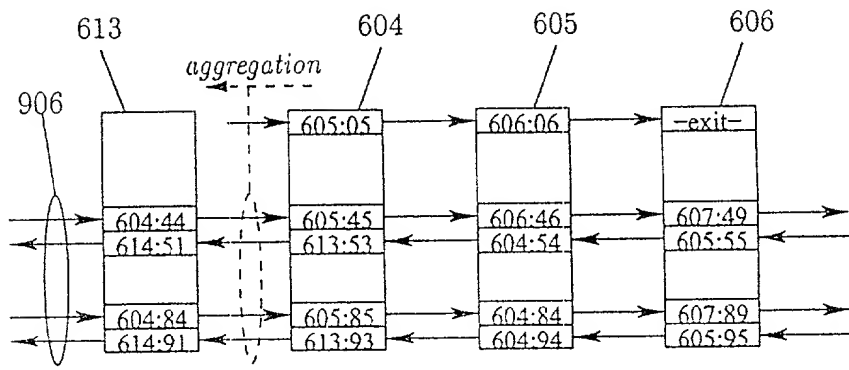| | | | | | | —exit— |
604:44		605:45		606:46		607:49
614:51		613:53		604:54		605:55
604:84		605:85		604:84		607:89
614:91		613:93		604:94		605:95

Fig. 8: Aggregation signalling - 1/2

Fig. 9: Aggregation signalling - 2/2
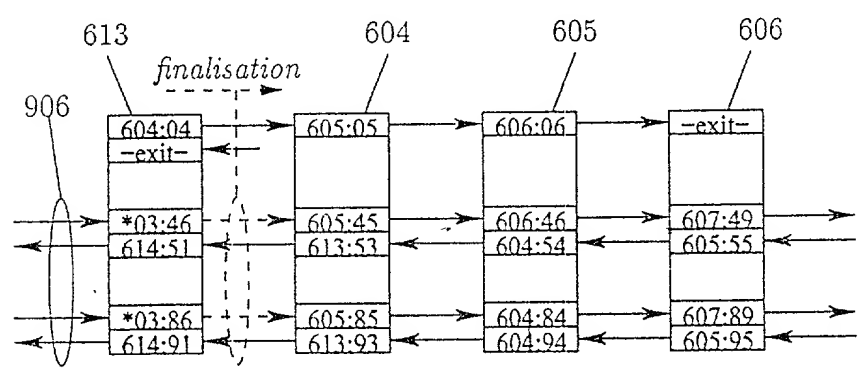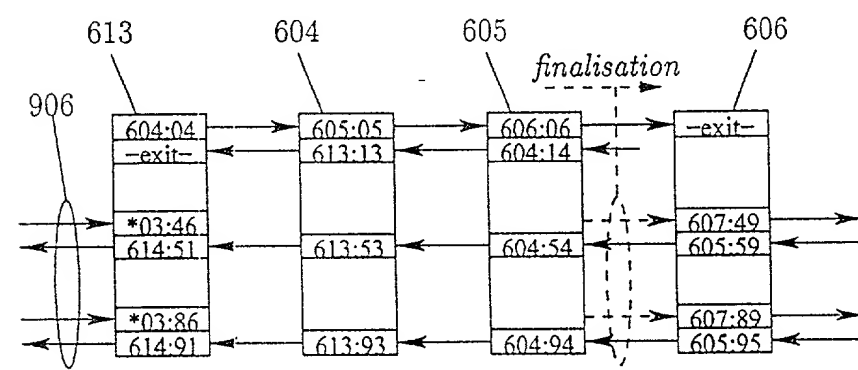

Fig. 10: Finalisation signalling - 1/2

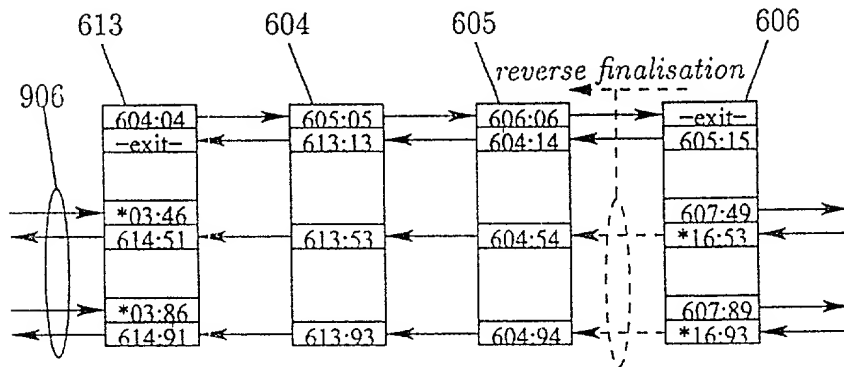Fig. 11: Finalisation signalling - 2/2

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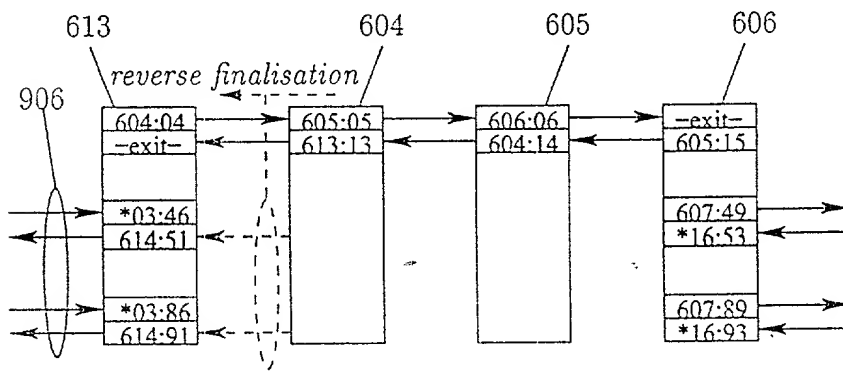
613   604   605   606

reverse finalisation

906

| 604:04 | | 605:05 | | 606:06 | | —exit— |
| —exit— | | 613:13 | | 604:14 | | 605:15 |

| *03:46 | | | | | | 607:49 |
| 614:51 | | 613:53 | | 604:54 | | *16:53 |

| *03:86 | | | | | | 607:89 |
| 614:91 | | 613:93 | | 604:94 | | *16:93 |

Fig. 12: Reverse Finalisation - 1/2

613   604   605   606

reverse finalisation

906

| 604:04 | | 605:05 | | 606:06 | | —exit— |
| —exit— | | 613:13 | | 604:14 | | 605:15 |

| *03:46 | | | | | | 607:49 |
| 614:51 | | | | | | *16:53 |

| *03:86 | | | | | | 607:89 |
| 614:91 | | | | | | *16:93 |

Fig. 13: Reverse finalisation - 2/2

613   604   605   606

release

906

| 604:04 | | 605:05 | | 606:06 | | —exit— |
| —exit— | | 613:13 | | 604:14 | | 605:15 |

| *03:46 | | | | | | 607:49 |
| 614:51 | | | | | | *16:53 |

| *03:86 | | | | | | 607:89 |
| 614:91 | | | | | | *16:93 |
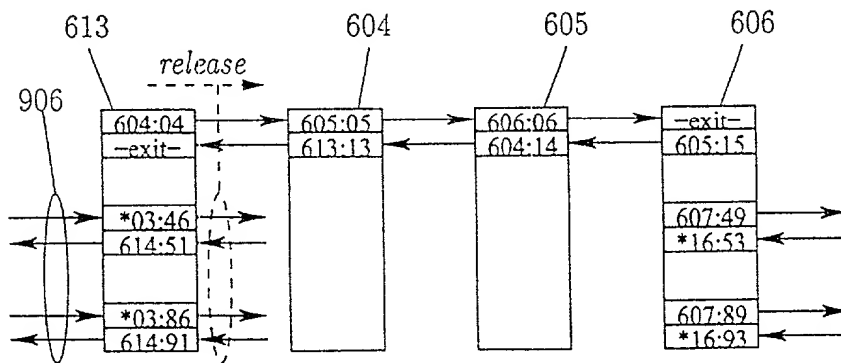
Fig. 14: Downstream release - 1/3

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Fig. 15: Downstream release - 2/3

Fig. 16: Downstream release - 3/3